AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows. This listing of claims will replace all prior listings.

- 1. (CURRENTLY AMENDED) A composite leaf spring comprising:
- a forward leaf spring segment defining an arcuate segment;
- a rearward leaf spring segment; and
- a mounting segment intermediate said forward leaf spring segment and said rearward leaf spring segment, said mounting segment defining a continuously variable cross-section shape.
- 2. (ORIGINAL) The composite leaf spring as recited in claim 1, wherein any cross-section taken perpendicular to the mounting segment and within said mounting segment defines a substantially equivalent cross-sectional area.
- 3. (ORIGINAL) The composite leaf spring as recited in claim 1, wherein said mounting segment comprising a tapering width and an expanding depth such that any crosssection taken perpendicular to the mounting segment and within said mounting segment provides a singular cross-sectional shape
- 4. (ORIGINAL) The composite leaf spring as recited in claim 1, wherein said rearward leaf spring segment defines a first arc in a first direction and said forward leaf spring segment defines a second arc in a second direction.
- 5. (ORIGINAL) The composite leaf spring as recited in claim 1, wherein said forward leaf spring segment is thicker in depth than said rearward leaf spring segment.

- 6. (CURRENTLY AMENDED) A suspension system comprising:
- a composite leaf spring comprising a forward leaf spring segment defining an arcuate segment, a rearward leaf spring segment, and a mounting segment intermediate said forward leaf spring segment and said rearward leaf spring segment; and an axle beam attachment system comprising a cavity engageable with said mounting
- an axle beam attachment system comprising a cavity engageable with said mounting segment at only a single predefined location along said mounting segment.
- 7. (ORIGINAL) The suspension system as recited in claim 6, wherein said mounting segment comprises a tapering width and an expanding depth such that a cross-sectional taken perpendicular to the mounting segment and within said mounting segment provides a singular cross-sectional shape.
- 8. (ORIGINAL) The suspension system as recited in claim 6, wherein any cross-section taken perpendicular to the mounting segment and within said mounting segment defines a cross-sectional area equivalent to any other cross-section taken perpendicular to the mounting segment within said mounting segment.
- 9. (ORIGINAL) The suspension system as recited in claim 6, wherein said axle attachment system comprises a mount attached to said composite leaf spring.
- 10. (ORIGINAL) The suspension system as recited in claim 9, wherein said mount is an integral portion of said composite leaf spring.
 - 11. (CANCELED)

- 12. (ORIGINAL) The suspension system as recited in claim 9, wherein said mount comprises an upper clamp plate and a lower clamp plate, said upper clamp plate defines a first interior cavity and said lower clamp plate defines a second interior cavity, wherein a leaf spring receipt cavity comprised of said first and second cavities corresponds to a leaf spring width and a leaf spring depth for attaching said mount at a single predetermined location along said mounting segment.
- 13. (ORIGINAL) The suspension system as recited in claim 6, further comprising an upper clamp plate and a lower clamp plate which defines said cavity when mounted together.
- 14. (ORIGINAL) The suspension system as recited in claim 13, wherein said upper clamp plate and said lower clamp plate sandwich said composite leaf spring.
 - 15. (CURRENTLY AMENDED) A suspension system comprising:
 - a composite leaf spring comprising a mounting segment intermediate a forward leaf spring segment defining an arcuate segment and a rearward leaf spring segment; and
 - an axle beam attachment system which interlocks at a single predetermined location along said mounting segment.
- 16. (ORIGINAL) The suspension system as recited in claim 15, wherein said mounting segment comprises a tapering width and an expanding depth such that any cross-section taken perpendicular to the mounting segment and within said mounting segment provides a singular cross-sectional shape.
- 17. (ORIGINAL) The suspension system as recited in claim 15, wherein any cross-section taken perpendicular to the mounting segment and within said mounting segment defines a cross-sectional area equivalent to any other cross-section taken perpendicular to the mounting segment within said mounting segment.

- 18. (ORIGINAL) The suspension system as recited in claim 15, wherein said axle beam attachment system defines a cavity which surrounds but a singular segment within said mounting segment to interlock said axle beam attachment system with said composite leaf spring.
- 19. (ORIGINAL) The suspension system as recited in claim 18, further comprising a plurality of plates which define said cavity.
- 20. (ORIGINAL) The suspension system as recited in claim 19, wherein said plurality of plates are fastened together to define said cavity.
- 21. (ORIGINAL) The suspension system as recited in claim 19, further comprising an axle beam mounted to at least one of said plurality of plates.
- 22. (CURRENTLY AMENDED) A method of mounting an axle beam to a composite leaf spring comprising the steps of:
 - (1) defining a mounting segment along a composite leaf spring comprising a tapering width and an expanding depth such that any cross-section taken perpendicular to the mounting segment and within the mounting segment provides a singular cross-sectional shape;
 - (2) mechanically interlocking an axle beam attachment system with a cross-sectional shape at a single predetermined location along the mounting segment; and
 - (3) mounting an axle beam to the axle beam attachment system such that the axle beam is transverse to the composite leaf spring.
- 23. (ORIGINAL) A method as recited in claim 22, wherein step (2) further comprises attaching an upper and lower plate together to define a cavity equivalent to the cross-sectional shape to at least partially surround and mechanically interlock the axle beam attachment system with the composite leaf spring.

- 24. (ORIGINAL) A method as recited in claim 22, wherein step (2) further comprises overmolding a molded material at the single predetermined location along the mounting segment to interlock the molded material with the leaf spring.
- 25. (NEW) The composite leaf spring as recited in claim 1, wherein said arcuate segment defines a bend of at least ninety degrees.
- 26. (NEW) The composite leaf spring as recited in claim 1, wherein said mounting segment width is constantly decreasing as a mount segment depth is consistently increasing toward said rearward segment.
- 27. (NEW) The composite leaf spring as recited in claim 1, wherein said forward leaf spring segment is of a greater depth and of a lesser width than said rearward leaf spring segment.
- 28. (NEW) The composite leaf spring as recited in claim 1, wherein said rearward leaf spring segment is of constant depth and width throughout a length thereof.